

# The 2024 International Workshop on the High Energy Circular Electron Positron Collider

Contribution ID: 82

Type: **Talk**

## Detector and event visualization software for CEPC

*Saturday, 26 October 2024 11:00 (20 minutes)*

Detector and event visualization software is essential for modern high-energy physics (HEP) experiments. It plays an important role in the whole life cycle of any HEP experiment, from detector design, simulation, reconstruction, detector construction, and installation, to data quality monitoring, physics data analysis, education, and outreach. In this talk, we will discuss two frameworks and their potential in developing visualization software for CEPC. One is the Phoenix framework, based on the JavaScript 3D library for web-based event display. The other is based on Unity, a popular industrial platform for game development and immersive experience creation. The applications of both frameworks in HEP experiments will also be introduced.

**Primary authors:** Mr ZENG, Yujie (Sun-Yat sen university); Prof. ZHANG, Yumei (Sun-Yat sen university); Prof. YOU, Zhengyun (Sun-Yat sen university)

**Presenter:** Mr ZENG, Yujie (Sun-Yat sen university)

**Session Classification:** Software

**Track Classification:** Detector and System: 18: Offline & Software